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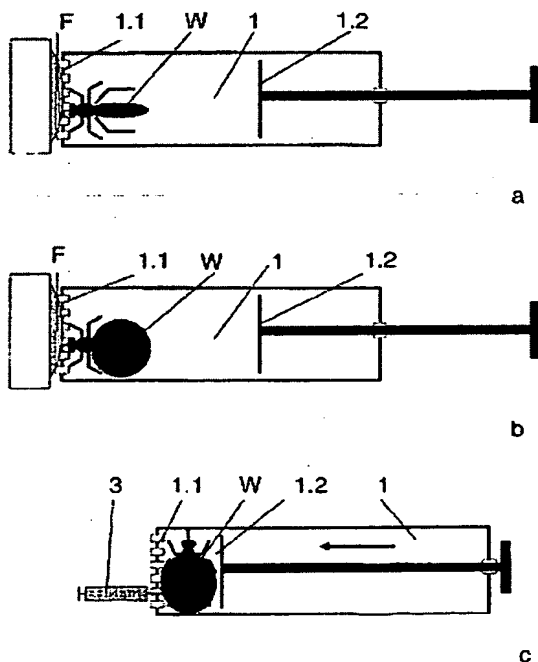
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(54) Title: DEVICE FOR CARRYING OUT THE MINIMALLY INVASIVE WITHDRAWAL OF BLOOD FROM ANIMALS BY USING BLOOD-SUCKING ASSASSIN BUGS

(57) Abstract: [in English]



(57) Abstract: The invention concerns a device for carrying out the minimally invasive withdrawal of blood from animals by using blood-sucking assassin bugs. Blood samples are required within the scope of many testing arrangements, hence blood withdrawals are one of the most common interventions. In all known methods, a tapping of a blood-stream is carried out using a medical instrument. These blood withdrawals are often complicated and are subject to strict regulations. Furthermore, the animals have to be anesthetized sometimes. Assassin bugs have also been used for withdrawing small quantities of blood. The blood of bats stored in the abdomen of the assassin bugs is removed for tests. However, it is often difficult to locate the bug after it has sucked blood because it quickly flees to dark places. The inventive device is comprised of at least one receptacle (1), which has at least one perforated outer wall (1.1) and in which the assassin bug W can be positioned on the animal of interest (F) whereby enabling the assassin bug (W) to suck blood therefrom. Afterwards, the assassin bug (W) is fixed at a location on the perforated outer wall (1.1) inside said receptacle (1) by means of a moving intermediate wall (1.2) so that the blood sucked out from the animal and stored in the abdomen can be removed from the assassin bug (W) via a cannula.

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(57) **Abstract:** Blood samples are required within the framework of many testing procedures; accordingly, blood withdrawals are among the more common interventions. In all methods known from prior art, a medical instrument is used to puncture a blood vessel. Blood withdrawals are often complicated and are subject to strict regulations. In addition, it is sometimes necessary to anesthetize the animals. The use of assassin-bugs for withdrawing blood in small quantities is also known from prior art. The blood of bats, which is stored in the abdomen of the assassin bugs, is subsequently removed for tests. Often, however, it proves difficult to hold the bugs in one place after they have sucked blood, because they quickly escape to dark places. The device according to the invention consists of at least one receptacle (1), which exhibits at least one perforated outside wall (1.1), and within which the assassin bug (W) can be positioned on the animal in question (F) in such a way that the assassin bug (W) is able to suck blood from the aforesaid animal. Subsequently, the assassin bug (W) can be held in place within the aforesaid receptacle (1), by means of a movable partition (1.2), which holds it in place against a location on the perforated outside wall (1.1), in such a way that the blood which has been sucked from the animal and is now stored in the abdomen of the assassin bug (W) can be removed therefrom by means of a cannula.